

L630-36 Super Bright Orange LED

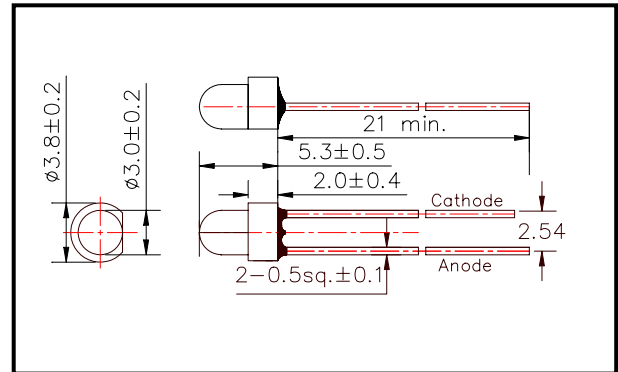
L630-36 is an InGaAlP LED mounted on a lead frame with a clear epoxy lens.

On forward bias it emits a band of visible light, which peaks 635nm.

◆ Specifications

1) Product Name	Super Bright Orange LED
2) Type No.	L630-36
3) Chip	
(1) Chip Material	InGaAlP
(2) Peak Wavelength	635nm typ.
4) Package	
(1) Type	Φ3mm clear molding
(2) Resin Material	Epoxy Resin
(3) Lead Frame	Soldered

◆ Outer dimension (Unit: mm)



◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	130	mW	T _a =25°C
Forward Current	I _F	50	mA	T _a =25°C
Pulse Forward Current	I _{FP}	500	mA	T _a =25°C
Reverse Voltage	V _R	5	V	T _a =25°C
Operating Temperature	T _{OPR}	-30 ~ +85	°C	
Storage Temperature	T _{STG}	-30 ~ +100	°C	
Soldering Temperature	T _{SOL}	265	°C	

‡Pulse Forward Current condition: Duty=1% and Pulse Width=10us.

‡Soldering condition: Soldering condition must be completed within 3 seconds at 265°C

◆ Electro-Optical Characteristics [T_a=25°C]

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =20mA		2.1	2.3	V
Reverse Current	I _R	V _R =5V			10	uA
Total Radiated Power	P _O	I _F =20mA	6.0	10.0		mW
Brightness	I _v	I _F =20mA		1,800		mcd
Radiant Intensity	I _E	I _F =20mA	5	8		mW/sr
Peak Wavelength	λ _P	I _F =20mA	630	635	640	nm
Half Width	Δλ	I _F =20mA		20		nm
Viewing Half Angle	θ _{1/2}	I _F =20mA		±30		deg.

‡Brightness is measured by Tektronix J-16.

‡Total Radiated Power is measured by Photodyne #500